

10/634162

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(FILE 'HOME' ENTERED AT 15:36:55 ON 14 JAN 2005)

FILE 'REGISTRY' ENTERED AT 15:37:14 ON 14 JAN 2005

L1 STRUCTURE uploaded
L2 1 S L1

L3 STRUCTURE uploaded

L4 0 S L3

L5 85 S L3 SSS FULL

FILE 'CPLUS' ENTERED AT 15:41:25 ON 14 JAN 2005

L6 14 S L5
L7 8 S L6 NOT AMINO

FILE 'CAOLD' ENTERED AT 15:44:57 ON 14 JAN 2005

L8 0 S L5

FILE 'REGISTRY' ENTERED AT 15:52:11 ON 14 JAN 2005

L9 STRUCTURE uploaded

L10 7 S L9

L11 STRUCTURE uploaded

L12 7 S L11

L13 STRUCTURE uploaded

L14 0 S L13

L15 STRUCTURE uploaded

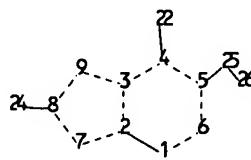
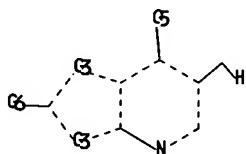
L16 1 S L15

L17 9 S L15 SSS FULL

FILE 'CPLUS' ENTERED AT 16:10:15 ON 14 JAN 2005

L18 1 S L17

=>



chain nodes :

13 14 15 16 17 18 22 24 25 26

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

4-22 5-25 8-24 13-14 13-17 15-16 16-18 25-26

ring bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-6 7-8 8-9

exact/norm bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 4-22 5-6 5-25 7-8 8-9 8-24 13-14 13-17 15-16
16-18 25-26

isolated ring systems :

containing 1 :

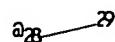
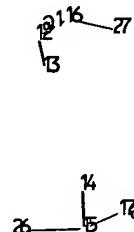
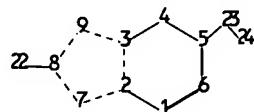
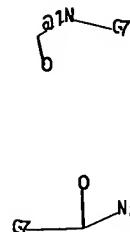
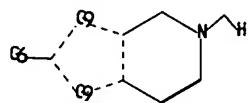
G3:C,S,N

G5:C,O,H

G6:[*1], [*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 13:CLASS 14:CLASS
15:CLASS 16:CLASS 17:CLASS 18:CLASS 22:CLASS 24:CLASS 25:CLASS 26:CLASS



chain nodes :
 12 13 14 15 16 17 22 23 24 26 27 28 29
 ring nodes :
 1 2 3 4 5 6 7 8 9
 chain bonds :
 5-23 8-22 12-13 12-16 14-15 15-17 15-26 16-27 23-24 28-29
 ring bonds :
 1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-6 7-8 8-9
 exact/norm bonds :
 1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-23 5-6 7-8 8-9 8-22 12-13 12-16 14-15 15-17
 15-26 16-27 23-24 28-29
 isolated ring systems :
 containing 1 :

G5:C,O,H

G6:[*1], [*2]

G7:C,Cy

G8:C,H

G9:S,N

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 12:CLASS 13:CLASS
 14:CLASS 15:CLASS 16:CLASS 17:CLASS 22:CLASS 23:CLASS 24:CLASS 26:CLASS 27:CLASS
 28:CLASS 29:CLASS

10/634162

=> d 1-8 bib abs hitstr

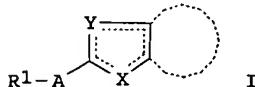
L7 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:142958 CAPLUS
DN 140:193096
TI Fused bicyclic metalloproteinase inhibitors, pharmaceutical compositions, and therapeutic use
IN Wilson, Michael William
PA Warner-Lambert Company LLC, USA
SO PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004014375	A2	20040219	WO 2003-IB3523	20030804
WO 2004014375	A3	20040603		
			W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	

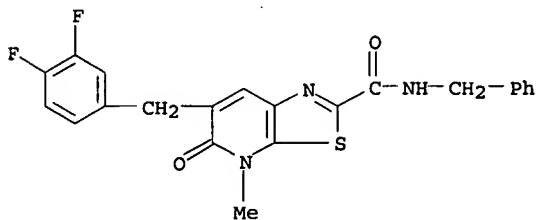
PRAI US 2002-403008P P 20020813

OS MARPAT 140:193096

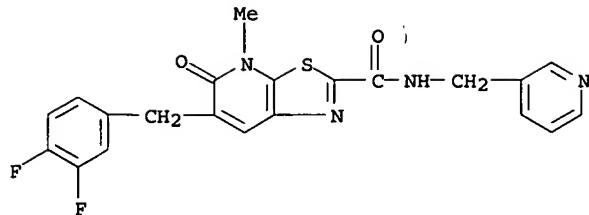
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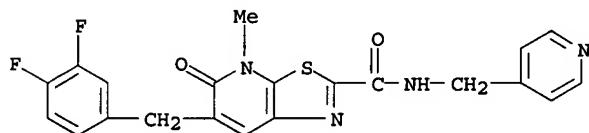
AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer and other disorders.
IT 660815-76-9 660815-77-0 660815-78-1
660815-79-2 660815-80-5 660815-81-6
660815-88-3 660815-89-4 660815-90-7
660815-91-8 660815-92-9 660815-93-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(fused bicyclic metalloproteinase inhibitors, pharmaceutical compns., and therapeutic use)
RN 660815-76-9 CAPLUS
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



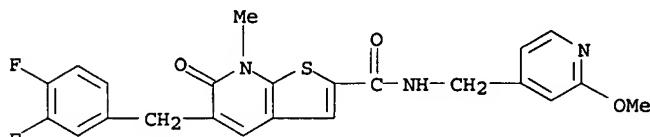
RN 660815-77-0 CAPLUS
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



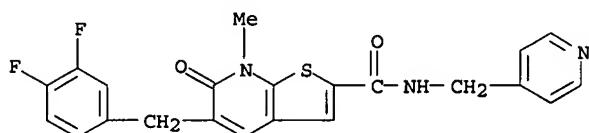
RN 660815-78-1 CAPLUS
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



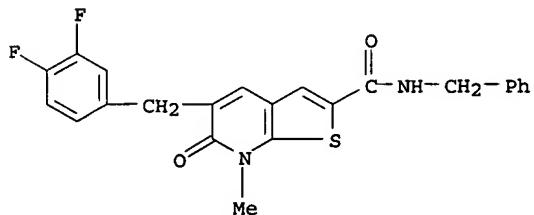
RN 660815-79-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-N-[(2-methoxy-4-pyridinyl)methyl]-7-methyl-6-oxo- (9CI) (CA INDEX NAME)



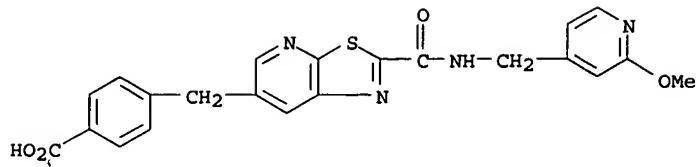
RN 660815-80-5 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



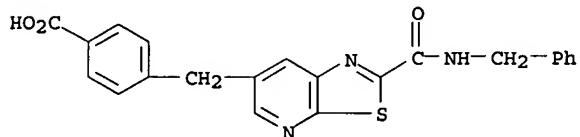
RN 660815-81-6 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



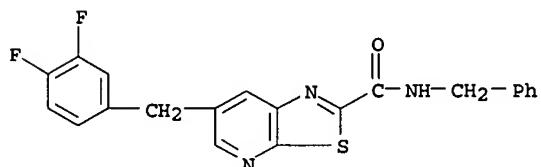
RN 660815-88-3 CAPLUS
CN Benzoic acid, 4-[[2-[[[(2-methoxy-4-pyridinyl)methyl]amino]carbonyl]thiazolo[5,4-b]pyridin-6-yl]methyl]- (9CI) (CA INDEX NAME)



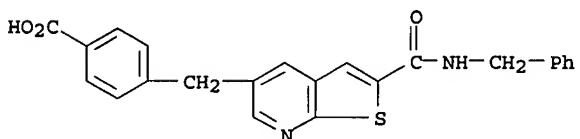
RN 660815-89-4 CAPLUS
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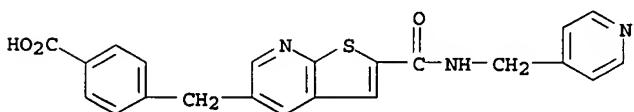
RN 660815-90-7 CAPLUS
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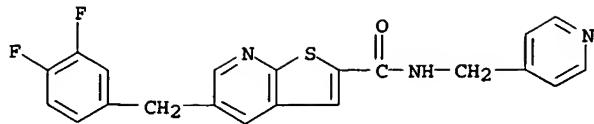
RN 660815-91-8 CAPLUS
 CN Benzoic acid, 4-[[2-[(phenylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl]- (9CI) (CA INDEX NAME)



RN 660815-92-9 CAPLUS
 CN Benzoic acid, 4-[[2-[(4-pyridinylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl]- (9CI) (CA INDEX NAME)

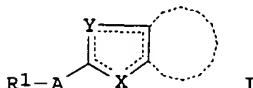


RN 660815-93-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)

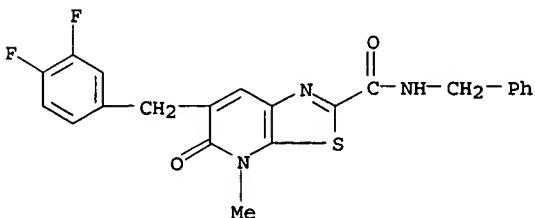


L7 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:142808 CAPLUS
 DN 140:193094
 TI Fused bicyclic metalloproteinase inhibitors, pharmaceutical compositions, and therapeutic use
 IN Wilson, Michael William
 PA USA
 SO U.S. Pat. Appl. Publ., 41 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

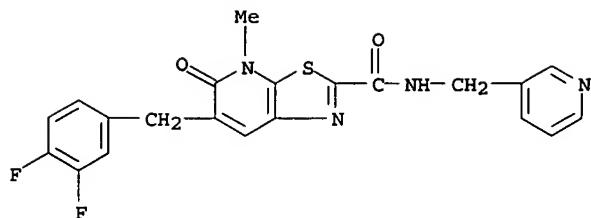
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004034054	A1	20040219	US 2003-634162	20030805
PRAI	US 2002-403008P	P	20020813		
OS	MARPAT 140:193094				
GI					



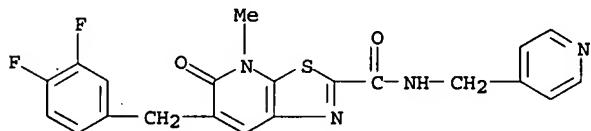
AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer, and other disorders.
 IT 660815-76-9 660815-77-0 660815-78-1
 660815-79-2 660815-80-5 660815-81-6
 660815-88-3 660815-89-4 660815-90-7
 660815-91-8 660815-92-9 660815-93-0
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (fused bicyclic metalloproteinase inhibitors, pharmaceutical compns., and therapeutic use)
 RN 660815-76-9 CAPLUS
 CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



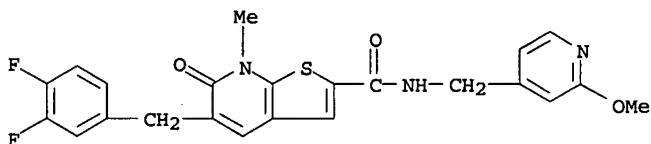
RN 660815-77-0 CAPLUS
 CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



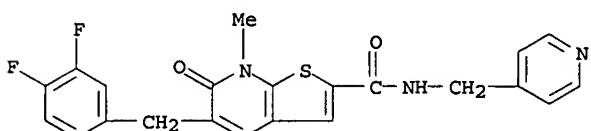
RN 660815-78-1 CAPLUS
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



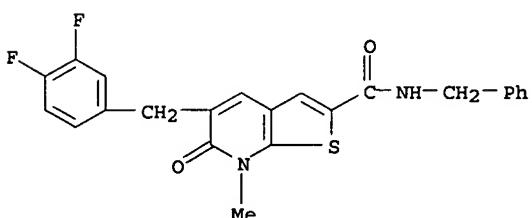
RN 660815-79-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-N-[(2-methoxy-4-pyridinyl)methyl]-7-methyl-6-oxo- (9CI) (CA INDEX NAME)



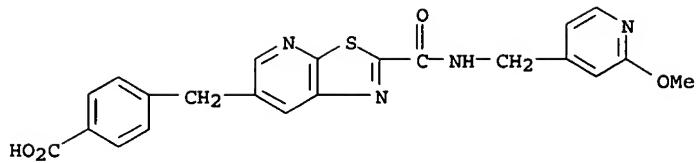
RN 660815-80-5 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



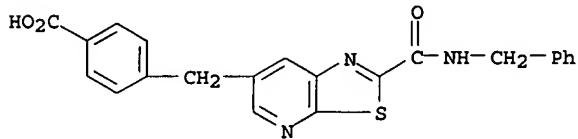
RN 660815-81-6 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



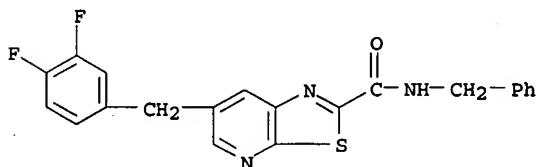
RN 660815-88-3 CAPLUS
CN Benzoic acid, 4-[[2-[[[(2-methoxy-4-pyridinyl)methyl]amino]carbonyl]thiazo[5,4-b]pyridin-6-yl]methyl]- (9CI) (CA INDEX NAME)



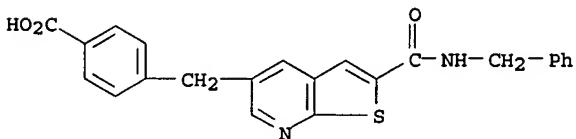
RN 660815-89-4 CAPLUS
CN Benzoic acid, 4-[[2-[(phenylmethyl)amino]carbonyl]thiazolo[5,4-b]pyridin-6-yl]methyl]- (9CI) (CA INDEX NAME)



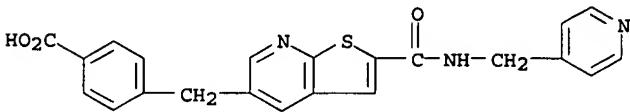
RN 660815-90-7 CAPLUS
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



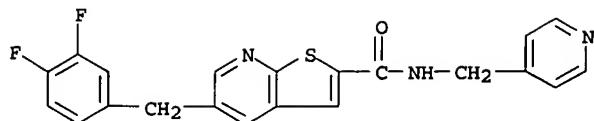
RN 660815-91-8 CAPLUS
CN Benzoic acid, 4-[[2-[(phenylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl]- (9CI) (CA INDEX NAME)



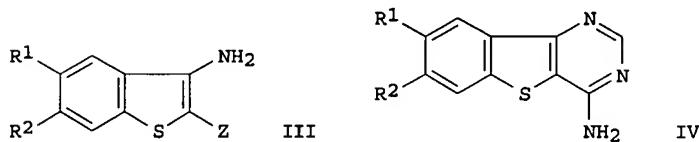
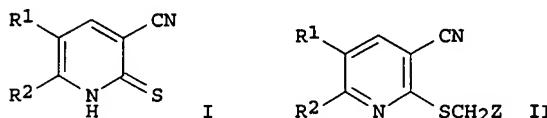
RN 660815-92-9 CAPLUS
CN Benzoic acid, 4-[[2-[(4-pyridinylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl]- (9CI) (CA INDEX NAME)



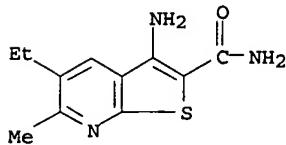
RN 660815-93-0 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1996:456309 CAPLUS
 DN 125:221519
 TI Synthesis of 3-cyano-5-ethyl-6-methylpyridine-2(1H)-thione and condensed heterocycles based on it
 AU Rodinovskaya, L. A.; Shestopalov, A. M.; Belukhina, E. V.; Litvinov, V. P.
 CS Inst. Org. Khim. im. N. D. Zelinskogo, Moscow, 117913, Russia
 SO Khimiya Geterotsiklicheskikh Soedinenii (1996), (6), 851-857
 CODEN: KGSSAQ; ISSN: 0132-6244
 PB Latviiskii Institut Organicheskogo Sinteza
 DT Journal
 LA Russian
 GI

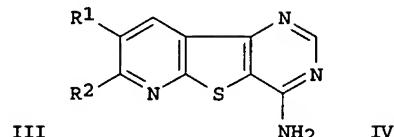
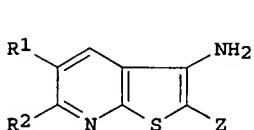
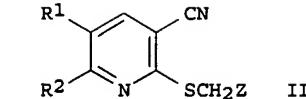
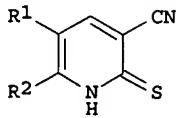


AB Pyridinethiones I ($R_1 = Et$, $R_2 = Me$; $R_1 = H$, $R_2 = Pr$) were prepared by formylation of 2-pentanone, followed by cyclocondensation with $NCCH_2CSNH_2$. Alkylation of I with $ClCH_2Z$ ($Z = CONH_2$, $COOMe$, $COOEt$, $COPh$, C_15H_{31} , CN) gave (alkylthio)pyridines (II). Conversions of I and II to thienopyridines (III) and pyridothienopyrimidines (IV) were described.
 IT 174314-60-4
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 174314-60-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-ethyl-6-methyl- (9CI) (CA INDEX NAME)

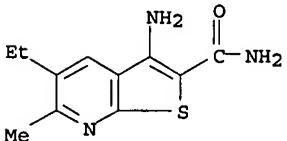


L7 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1996:27901 CAPLUS
 DN 124:202066
 TI Synthesis of 3-cyano-5-ethyl-6-methylpyridine-2(1H)-thione and condensed heterocycles based on it
 AU Rodinovskaya, L. A.; Shestopalov, A. M.; Belukhina, E. V.; Litvinov, V. P.
 CS Inst. Org. Khim. im. N. D. Zelinskogo, Moscow, Russia
 SO Khimiya Geterotsiklicheskikh Soedinenii (1995), (6), 851-7
 CODEN: KGSSAQ; ISSN: 0132-6244
 PB Latviiskii Institut Organicheskogo Sinteza

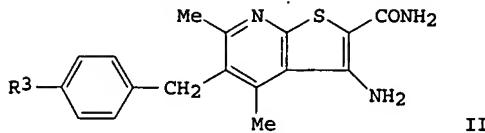
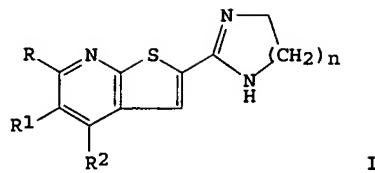
DT Journal
 LA Russian
 GI



- AB Pyridinethiones I (R1 = Et, R2 = Me; R1 = H, R2 = Pr) were prepared by formylation of MeCOPr and reaction of the unsatd. ketones formed with NCCH₂CSNH₂. Alkylation of I with ClCH₂Z (Z = alkyl, carbalkoxy, COPh, CONH₂, CN) occurred on the S atom to give II (same R1, R2, Z). II were then converted to thienopyridines (III) and pyridothienopyrimidines (IV).
- IT 174314-60-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and cyclization with formamide)
- RN 174314-60-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-ethyl-6-methyl- (9CI) (CA INDEX NAME)



- L7 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1992:235578 CAPLUS
 DN 116:235578
 TI Heteroatom-containing polycyclic azines. 31. Synthesis of imidazolin-2-yl- and 3,4,5,6-tetrahydropyrimidin-2-yl-3-aminothieno[2,3-b]pyridines
 AU Leistner, S.; Wagner, G.; Krasselt, U.; Dumke, S.
 CS Sekt. Biowiss., Univ. Leipzig, Leipzig, 0-7010, Germany
 SO Pharmazie (1992), 47(1), 11-14
 CODEN: PHARAT; ISSN: 0031-7144
 DT Journal
 LA German
 GI



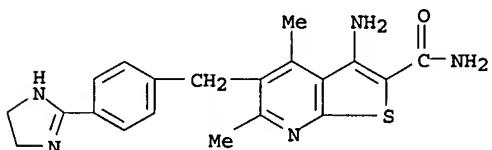
AB The title compds. I ($n = 1, 2$; R = Me, Ph, 4-BrC₆H₄; R1 = H, Me; R2 = H, Me, 4-BrC₆H₄) were prepared by the reaction of diaminoalkanes and CS₂ with the aminothieno[2,3-b]pyridines or cyanomethylthiopyridines, or from aminothieno[2,3-b]pyridinecarboxamides with diaminoalkanes. The reaction of the aminothienocarboxamides II (R₃ = cyano) with diaminoalkanes gave II (R₃ = 2-imidazolinyl, 2-tetrahydropyrimidinyl). Compds. with two imidazoline or two tetrahydropyrimidine substituents were similarly synthesized.

IT 141278-17-3P 141278-18-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

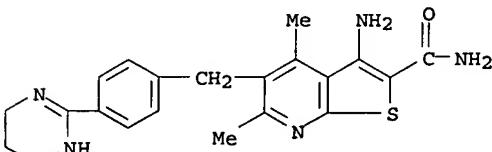
RN 141278-17-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-[[4-(4,5-dihydro-1H-imidazol-2-yl)phenyl]methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)



RN 141278-18-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,6-dimethyl-5-[[4-(1,4,5,6-tetrahydro-2-pyrimidinyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

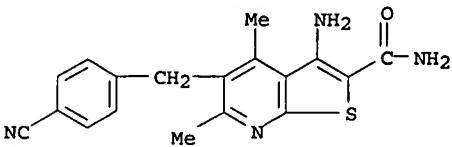


IT 119003-39-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with ethylenediamine and carbon disulfide)

RN 119003-39-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-[(4-cyanophenyl)methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)



10/634162

L7 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:515227 CAPLUS

DN 113:115227

TI Polycyclic pyridines. Part 8. Synthesis of new primary, secondary and tertiary 3-aminothieno[2,3-b]pyridine-2-carboxamides by different pathways

AU Wagner, G.; Vieweg, H.; Leistner, S.; Boehm, N.; Krasselt, U.; Hanfeld, Vera; Prantl, J.; Gruppe, Renate

CS Sekt. Biowiss., Karl-Marx-Univ., Leipzig, DDR-7010, Ger. Dem. Rep.

SO Pharmazie (1990), 45(2), 102-9

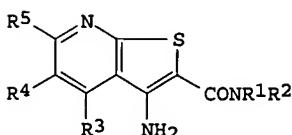
CODEN: PHARAT; ISSN: 0031-7144

DT Journal

LA German

OS CASREACT 113:115227

GI



I

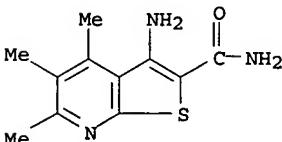
AB The treatment of 2-thioxo-1,2-dihydropyridine-3-carbonitriles with ClCH₂CO₂NR₁R₂ (R₁, R₂ = H, Me, Et) gave 3-aminothieno[2,3-b]pyridinecarboxylic acid amides I [R₁ = H, Et, Me; R₂ = H, Et, Bu, cyclohexyl, CH₂CH₂OH, CH₂CO₂H; R₁R₂ = (CH₂)₅; R₃ = Me, Ph, 4-BrC₆H₄, 3-pyridyl, CONH₂, etc; R₄ = H, Me, CH₂C₆H₄(CN)-4; R₅ = Me, C₆H₄Cl-4, Ph, C₆H₄Br-4, furyl, naphthyl, OH]. Some of the compds. thus prepared, e.g. I (R₁ = R₂ = R₄ = H, R₃ = Me, R₅ = Ph) and I (R₁ = R₄ = H, R₂ = CH₂CH₂OH, R₃ = R₅ = Me) showed activity as antiallergics in the passive cutaneous anaphylaxis test in rats.

IT 119003-37-1P 119003-38-2P 119003-39-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

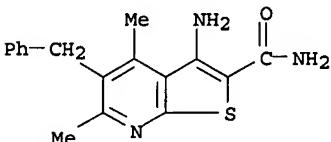
RN 119003-37-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,5,6-trimethyl- (9CI) (CA INDEX NAME)



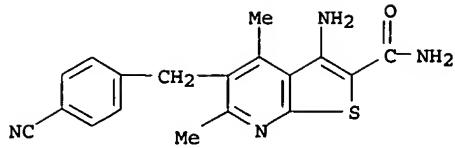
RN 119003-38-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,6-dimethyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



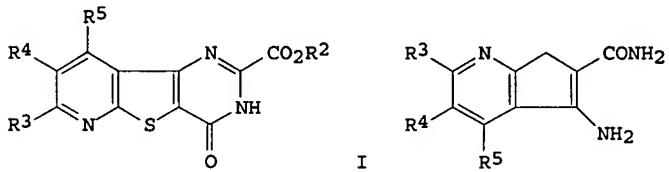
RN 119003-39-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-[(4-cyanophenyl)methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)

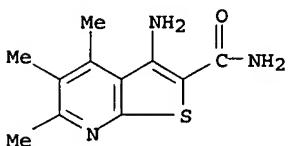


L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1989:95203 CAPLUS
 DN 110:95203
 TI Preparation of 4-oxo-3,4-dihydropyrido[3',4',4,5]thieno[3,2-d]pyrimidine-2-carboxylates as drugs
 IN Vieweg, Helmut; Leistner, Siegried; Wagner, Guenther; Krasselt, Uwe;
 Lohmann, Dieter; Laban, Gunter
 PA Karl-Marx-Universitaet Leipzig, Ger. Dem. Rep.
 SO Ger. (East), 4 pp.
 CODEN: GEXXA8
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DD 258014	A1	19880706	DD 1987-300313	19870302
PRAI DD 1987-300313		19870302		
OS MARPAT 110:95203				
GI				

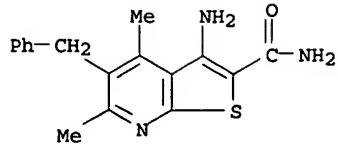


AB The title compds. [I; R2 = C1-3 alkyl; R3 = Me, (substituted) alkyl; R4 = H, Me, (substituted) aryl], useful as potential drugs and intermediates, were prepared by cyclocondensation of aminothienopyrimidinecarboxamides II with R1O2CCO2R1 (R1 = C1-3 alkyl) in R2ONa/R2OH. II (R3 = Me, R4 = H, R5 = Ph) was heated briefly in MeOH/NaOMe; di-Et oxalate was added and the mixture was refluxed for 30 min to give 85% I (R2 = Et, R3 = Me, R4 = H, R5 = Ph).
 IT 119003-37-1 119003-38-2 119003-39-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclocondensation of, with di-Et oxalate)
 RN 119003-37-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,5,6-trimethyl- (9CI) (CA INDEX NAME)

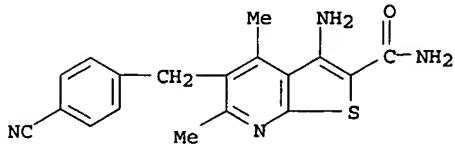


RN 119003-38-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,6-dimethyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

10/634162



RN 119003-39-3 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-[(4-cyanophenyl)methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1972:434513 CAPLUS
DN 77:34513
TI Anthelmintic alkyl 1(3)H-imidazo[4,5-b]pyridine-2-carbamates
IN Brody, Gerald; Goddman, Leon; Lee, William W.; Johansson, John G.
PA Syntex Corp.
SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2150917	A	19720420	DE 1971-2150917	19711013
	ZA 7105867	A	19730425	ZA 1971-5867	19710901
	AU 7133766	A1	19730329	AU 1971-33766	19710922
	FR 2110439	A5	19720602	FR 1971-36750	19711013
	ES 395985	A1	19731216	ES 1971-395985	19711014

PRAI US 1970-81134 A 19701015

GI For diagram(s), see printed CA Issue.

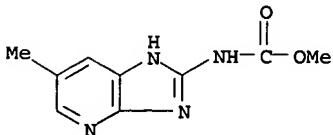
AB The title compds. [I, R and R1 given: Me, H (II); Me, Me; Et, H] and the II salts with HCl, MeSO₃H, and tartaric acid, useful as fungicides, were prepared by successive reaction of N2NC(:NH)SMe.H₂SO₄ (III) and ClCO₂R and 2,3-diaminopyridine (IV) or its 5-Me derivative, and optionally with the corresponding acids. Thus, a solution of 6.9 g III was treated with 4.7 g ClCO₂Me for 10 min at 0°, then after successive addition of aqueous NaOH and AcOH, the solution was refluxed for 18 hr at pH 5 with IV in EtOH to give 430 mg II. II (10.5 mg/kg/day) was given to dogs, infected with Ancylostoma canium and Uncinaria stenocephala, during 14 days and freed them from the hookworms by 100%.

IT 36649-04-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 36649-04-4 CAPLUS

CN Carbamic acid, (6-methyl-1H-imidazo[4,5-b]pyridin-2-yl)-, methyl ester (9CI) (CA INDEX NAME)



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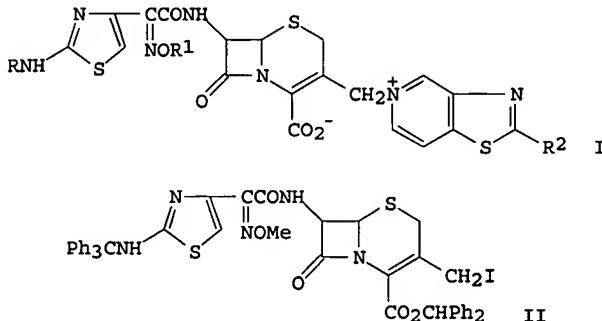
10/634162

L18 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1985:453873 CAPLUS
DN 103:53873
TI Cephalosporin derivatives
IN Imae, Kiyoto; Aburaki, Shimpei; Narita, Yukio; Okumura, Jun; Naito, Takayuki
PA Bristol-Myers Co. , USA
SO U.S., 26 pp. Cont.-in-part of U.S. Ser. No. 392,866, abandoned.
CODEN: USXXAM
DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4500526	A	19850219	US 1983-541593	19831013
	JP 59010593	A2	19840120	JP 1983-115333	19830628
	JP 04061000	B4	19920929		
PRAI	US 1982-392866	A2	19820628		

GI



AB Cephalosporins I [R = H, protective group; R1 = alkyl, allyl, propargyl, 2-butenyl, 2-butynyl, 3-butenyl, 3-butynyl, cycloalkyl, 1-carboxycycloalkyl, 1-carboxyalkyl; R2 = H, CO2H, CHO, CONH2, guanidino, amidino, alkyl, alkoxy, alkylthio, amido, (di)(alkyl)amino, (un)substituted N:CHNH2, NHCONH2] were prepared. Thus the iodomethylcephem II was prepared from 7-phenylacetamidocephalosporanic acid and was treated with thiazolo[4,5-c]pyridine, followed by deblocking, to give I (R = R2 = H, R1 = Me). The latter compound had ED50 i.m. in mice against Escherichia coli of 0.012 µg/mL.

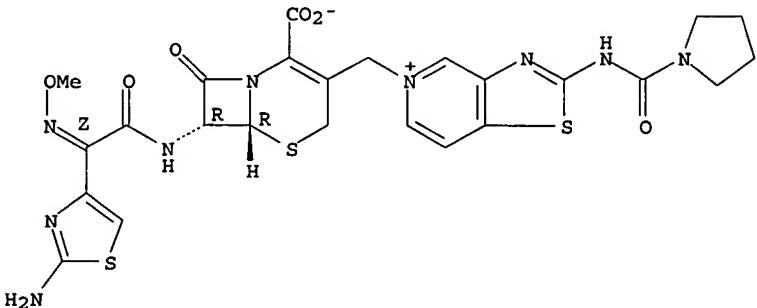
IT 97249-50-8P 97249-86-0P 97249-89-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and bactericidal activity of)

RN 97249-50-8 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 5-[[7-[[2-amino-4-thiazolyl](methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-2-[(1-pyrrolidinylcarbonyl)amino]-, inner salt, [6R-[6α,7β(Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



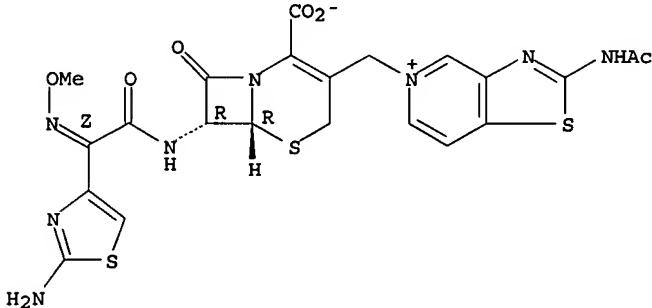
10/634162

RN 97249-86-0 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 2-(acetylamino)-5-[[7-[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl)methyl], inner salt, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

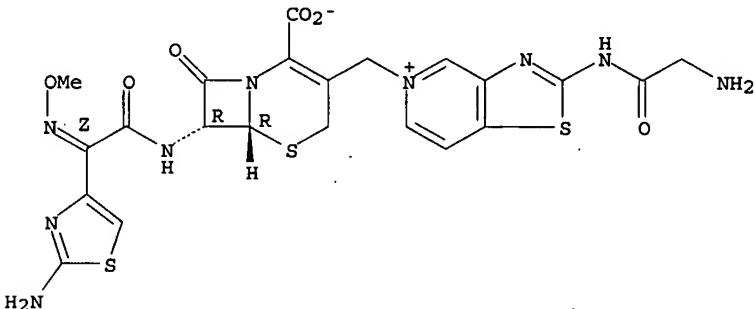


RN 97249-89-3 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 2-[(aminoacetyl)amino]-5-[[7-[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl)methyl], inner salt, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

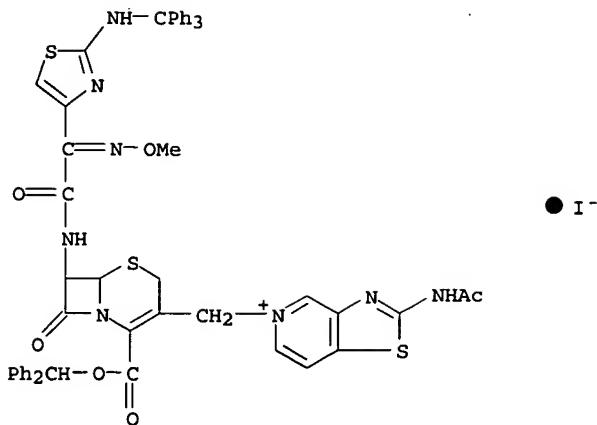


IT 97249-85-9P 97249-88-2P 97249-96-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deblocking of)

RN 97249-85-9 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 2-(acetylamino)-5-[[2-[(diphenylmethoxy)carbonyl]-7-[(methoxyimino)[2-[(triphenylmethyl)amino]-4-thiazolyl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl)methyl], iodide, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

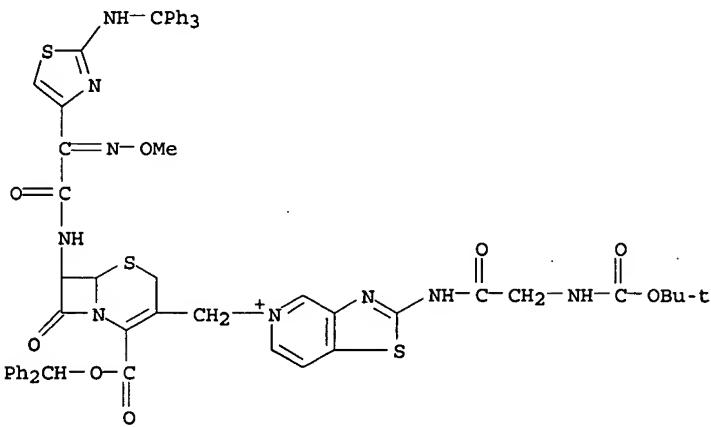


● I-

RN 97249-88-2 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 2-[[[[1,1-dimethylethoxy]carbonyl]amino]acetyl]amino]-5-[2-[(diphenylmethoxy)carbonyl]-7-[(methoxyimino)[2-[(triphenylmethyl)amino]-4-thiazolyl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, iodide, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

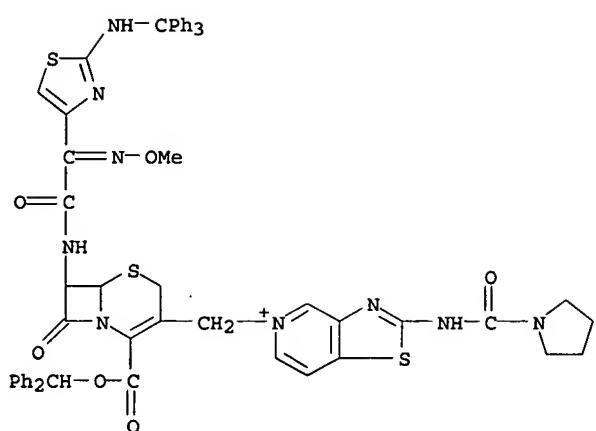
● I-

RN 97249-96-2 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 5-[[2-[(diphenylmethoxy)carbonyl]-7-[(methoxyimino)[2-[(triphenylmethyl)amino]-4-thiazolyl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-2-[(1-pyrrolidinylcarbonyl)amino]-, iodide, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

10/634162

PAGE 1-A



PAGE 2-A

● I⁻